Index of Claims

| <b>Applica</b> | tion/C | ontrol | No. |
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10/614,652

Examiner

Katherine A. Bareford

Applicant(s)/Patent under Reexamination

CINTRA ET AL.

Art Unit

1762

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

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| Cla       | lm_  | _  | _  | _        |          | Date   | =                 |  |          | _        |     | Cla   | um                   |              |          |  | _            | Date   | <u></u>           | Т |
| _         | ā  | 83100  |  |          |          |  |                   |  |          |          |     | _     | Original             | <b>ಬಹಕ</b>   |          |  |              |  | l                 | l |
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| ፲         | Ö  | ρb   |  |          |          |  |                   |  |          |          |     | Œ     | Ö                    | N            |          |  |              |  |                   | l |
|           |  | _  |  | ᆫ        |          |  |                   |  | L        |          | Į ļ |       |                      | _            |          |  |              | _  | <u> </u>          | ļ |
| $\sqcup$  | 1  | _  | L  | L        |          |  |                   | _  | L        |          |     | 5     | 51                   | =            |          |  |              | _  | <u> </u>          | ļ |
|           | 2  | <u></u>  | _  |          |          |  |                   |  |          |          |     | 6     | 52                   | =            |          |  |              |  | _                 | L |
|           | <b>3</b>   |  | <u></u>  |          |          | 匚  |                   |  |          |          |     |       | 53<br>54             |              |          |  |              |  | _                 | L |
|           | #  | L_   |  |          |          |  |                   |  |          |          |     |       | <b>\$</b> 4          |              |          |  |              |  | L                 | L |
|           | 5  |  |  |          |          |  |                   |  |          |          |     |       | <b>5</b> 5           |              |          |  |              |  |                   | l |
|           | 6  | Г  | Γ  |          |          |  |                   |  |          |          |     |       | Б6                   |              |          |  |              |  |                   | l |
|           | 7  |  |  |          |          |  |                   |  |          |          | 1   |       | 57                   |              |          |  |              |  |                   | Γ |
|           | 8  | Π  |  |          |          |  |                   |  | П        |          |     |       | 58                   |              |          |  |              |  | Г                 | Γ |
|           | 8  | Г  |  |          |          |  |                   | Г  |          |          | 1 1 |       | 59                   |              |          |  |              |  |                   | Γ |
|           | 10   |  |  |          |          |  |                   |  |          |          | 1   |       | 60                   |              |          |  |              |  |                   | T |
|           | 1  | Г  | Π  |          |          |  |                   |  |          |          |     |       | 59<br>60<br>61<br>62 | П            |          |  |              |  |                   | Γ |
|           | 12   | Π  | Г  | Г        |          |  | Г                 | Г  | Г        |          |     |       | 62                   | П            |          |  |              |  |                   | T |
|           | 18   | Г  |  |          |          | Γ  |                   | Г  |          |          | 1   | 7     | 63                   | =            |          |  |              | Π  | Г                 | T |
|           | 14   | Г  | T  |          | T        |  |                   |  |          |          |     |       | 64                   | П            |          |  |              | $\Box$   | Г                 | t |
|           | 16   | T  | T  | Г        |          |  | Г                 | Г  | П        |          |     |       | <del>8 6</del>       |              |          |  |              | Г  |                   | t |
| 1         | 16   | Ī  | $\vdash$   |          |          |  | T                 |  |          |          | 1   |       | 66                   |              |          |  |              |  |                   | t |
| -         | 17   | Ξ  | $\vdash$   |          |          |  |                   | $\vdash$   |          |          |     |       | 67                   | П            |          | Г  | _            | $\vdash$   |                   | t |
| 3         | 18   | =  | $\vdash$   |          |          | _  | _                 | $\vdash$   | $\vdash$ | -        | 1   |       | 67<br>68             | t            |          |  |              | $\vdash$   | T                 | t |
| 1         | 110  | F  | $\vdash$   | $\vdash$ | $\vdash$ | _  | $\vdash$          | ┝  | -        | _        |     |       | 69                   | H            | -        | Н  | <del> </del> | $\vdash$   | ┢╌                | t |
| $\vdash$  | 119<br>210   | ⊢  | -  | _        |          |  |                   | ⊢  | $\vdash$ | -        |     |       | 70                   | $\vdash$     | -        | $\vdash$   | _            | ┝  | $\vdash$          | t |
| 4         | 21   | =  | $\vdash$   | $\vdash$ |          |  | H                 | ┝  | $\vdash$ | _        |     |       | 71                   |              |          | -  |              |  | H                 | ł |
| +         | 21   | ⊢  | ⊢  |          | -        | -  | _                 | ┝  | -        | _        |     |       | 72                   | H            |          | ┝  |              | <u> </u>   | H                 | ł |
| $\vdash$  | <del>4</del>   | ┝  | H  | _        |          |  | <u> </u>          | ⊢  | $\vdash$ | _        |     |       | 72<br>73             | ┢            |          | ⊢  | _            | ⊢  | ⊢                 | ł |
| $\vdash$  | 4  | ⊢  | $\vdash$   | -        |          | <del> </del> —                                   | ⊢                 | ┝  | -        |          |     |       | 74                   |              | -        | ⊢  | ┝            | ├  | -                 | ł |
| $\vdash$  | <del>2</del> #   | H  | <del> </del>                                     | -        |          | -  | $\vdash$          | -  | -        |          |     |       | 75                   | H            |          | ⊢  | ├            | <u> </u>   |                   | ł |
|           | <del>2P</del>  | <u> </u>   | <u> </u>   | -        | -        | -  | -                 | ⊢  | H        |          |     |       | 75<br>76             | <del> </del> |          | _  | <u> </u>     | ┝  |                   | ╀ |
|           | <u> 2</u> P  | <u> </u>   | ⊢  |          | <u> </u> | H  | <u> </u>          | <u> </u>   |          |          |     |       | 70                   | ├            | _        | ├-   | ├            | <u> </u>   | ⊢                 | ł |
| $\vdash$  | <u> 21</u>   | <u> </u>   | $\vdash$   | $\vdash$ |          | H  | ⊢                 | <u> </u>   | H        |          |     |       | 77                   |              |          | <u> </u>   | _            |  | -                 | ļ |
|           | 28   | <u> </u>   | <u> </u>   | _        |          | $\vdash$   | <u> </u>          |  |          |          |     |       | 78<br>79             | ⊢            | _        |  | _            | _  | -                 | ļ |
| $\vdash$  | 29   | <u> </u>   | <u> </u>   |          |          | <u> </u>   | <u> </u>          | <u> </u>   | <u> </u> |          |     |       | 79                   | -            |          |  | <u> </u>     | <u></u>  | -                 | ļ |
| $\vdash$  | 30   | <u> </u>   | <u> </u>   | _        |          | <u> </u>   | L                 | <u> </u>   |          |          |     |       | 80                   | _            |          |  | _            |  | ┞                 | ļ |
| $\vdash$  | 311  | L  | L  |          |          | L.   | L                 |  |          |          |     |       | 81<br>82             | L            |          | _  | _            | $\vdash$   | ╙                 | ļ |
|           | 22<br>23<br>24<br>25<br>26<br>28<br>29<br>30<br>31<br>32<br>31 | <u> </u>   | <b> </b> _                                       | <u> </u> |          | <u> </u>   | Ь                 | <u> </u>   | _        |          |     |       | 82                   | $\vdash$     | _        | <b> </b>   | <u> </u>     | <u> </u>   | <u> </u>          | ļ |
| $\square$ | 3  | L_   | <u> </u>   | L_       | L        | <u> </u>   | ldash             | <u> </u>   |          | L_       |     |       | 83                   | <u> </u>     |          | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>          | 1 |
| $\vdash$  | 3#   | L  | _  | L        |          |  | <u> </u>          | <u> </u>   | L        | L_       |     |       | 84                   | <u> </u>     | _        | <u> </u>   | <u> </u>     | _  | Ь                 | 1 |
| $\square$ | 35<br>36<br>37   | L_   | <u> </u>   | <u> </u> |          | L  | <u> </u>          | <u> </u>   | L        | L.       |     |       | 85                   | oxdot        | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   | $\vdash$          | 1 |
|           | 36   | L  | L_   | <u> </u> | <u> </u> | L_   | $ldsymbol{f eta}$ | <u> </u>   | igsqcut  | L_       |     |       | 86                   | <u>L</u>     | _        | <u> </u>   | <u> </u>     |  | $ldsymbol{f eta}$ | ļ |
|           | 37   | <u> </u>   | _  | L        | L_       | L  | <u> </u>          |  |          | <u> </u> |     |       | 87                   | oxdapsilon   | _        | <u> </u>   | <u> </u>     | _  | 匚                 | l |
|           | 3B<br>39   | <u></u>  | <u> </u>   |          |          | oxdot  | L                 |  |          |          |     |       | 88                   |              |          | L.   |              |  | L_                | l |
|           | 39   | Ĺ  | 匚  |          | $\Box$   | Ĺ  | Ĺ                 | $\Box$   |          |          |     |       | 89                   | L            | _        |  |              |  | L                 | ľ |
|           | 40   |  |  |          |          |  |                   |  |          |          |     |       | 90                   |              |          | L  |              |  | Ĺ                 | ĺ |
|           | 41   |  |  |          |          |  |                   |  |          |          | ]   |       | 91                   |              | Ĺ        |  |              |  |                   | ſ |
|           | 42<br>43   |  |  |          |          | L  |                   |  |          |          | ]   |       | 92                   | $\Box$       |          | L  |              |  |                   | I |
|           | 43   |  |  |          |          |  |                   |  |          |          | ]   |       | 93                   | $\Box$       |          | L  |              |  |                   | ſ |
|           | 44   |  |  |          |          |  |                   |  |          |          | ]   |       | 94                   | Γ            |          |  |              |  |                   | T |
|           | 45   | Г  | Г  |          | Г        | <u> </u>   | Г                 |  |          |          |     |       | 95                   | П            |          |  |              | <u> </u>   |                   | Ť |
| $\Box$    | 46   | 1  | T  | Г        | $\vdash$ |  | Г                 | T  | П        |          | 1   |       | 96                   | Π            |          |  |              | $I^-$  |                   | t |
| $\Box$    | 47   | Т  | T  | Г        |          | ┢  | T                 |  | Г        |          |     |       | 97                   | T            |          |  | $\vdash$     | T  |                   | t |
| $\Box$    | 48   | <del>                                     </del> | Т  | ┢        | $\vdash$ | <del>                                     </del> | T                 | Т  |          | F        |     |       | 98                   | $\vdash$     | $\vdash$ |  |              | Т  | <b>—</b>          | t |
| $\vdash$  | 49   | Т  | <del>                                     </del> | $\vdash$ | $\vdash$ | İΤ   |                   | $\vdash$   | $\vdash$ |          |     |       | 99                   | Т            | $\vdash$ | <del>                                     </del> |              | <del>                                     </del> | Т                 | t |
| $\vdash$  | 50   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   | _                 | <del>                                     </del> | $\vdash$ |          |     |       | 100                  | $\vdash$     | $\vdash$ | ┢  | $\vdash$     | $\vdash$   | $\vdash$          | t |
| ш         |  | Щ  |  | L        | <u> </u> | ட  |                   | Ц  |          | Ц        | j l |       |                      | Щ.           | _        | <b></b>  | Щ.           | Ь_   | _                 | L |

| _        |  | _        | _        | _        | _        | _            | _                                   | _        | _  | _ |
|----------|--|----------|----------|----------|----------|--------------|-------------------------------------|----------|--|---|
| al       | Original   | 8        |          |          |          |              |                                     |          |  |   |
| Final    | Origi  | 91<br>96 |          |          |          |              |                                     |          |  |   |
| 5        | 51   | =        |          | _        | _        |              | -                                   |          |  |   |
| 6        | 52   | -        | -        | _        |          | -            | $\vdash$                            | _        |  | _ |
| <u> </u> | 52   | F        | $\vdash$ | _        |          |              | $\vdash$                            |          | $\vdash$   | _ |
|          | 51<br>52<br>53<br>54   | -        |          | -        | -        |              | -                                   | -        | $\vdash$   |   |
|          | 55   | $\vdash$ |          |          |          |              | $\vdash$                            |          |  |   |
| <u> </u> | 56   | $\vdash$ | $\vdash$ | _        | _        | <del>-</del> | -                                   |          | $\vdash$   | _ |
|          | ρο<br>57   |          | _        |          |          | _            |                                     |          |  | _ |
|          | <u> </u>   | H        | ⊢        | -        |          |              | $\vdash$                            |          |  | - |
| $\vdash$ | 58<br>59<br>60   | -        | ├        | _        |          | -            | Н                                   |          |  | _ |
|          | 60   | -        | ⊢        | $\vdash$ | -        |              | H                                   |          | _  |   |
| <u> </u> | DU<br>64   | -        | ┝        | $\vdash$ | _        | -            | -                                   |          |  | H |
|          | PI   | H        | ⊢        | <u> </u> | _        | -            |                                     |          |  |   |
| -        | 61<br>62<br>63   |          | <u> </u> | H        |          | -            | <u> </u>                            | $\vdash$ | _  | - |
| 7        | 03   | =        | ⊢        | <u> </u> |          | $\vdash$     | $\vdash$                            | _        | -  |   |
|          | 64<br>65   | _        | _        | <u> </u> |          | _            | <u> </u>                            | <u> </u> |  |   |
|          | pp pp  | ⊢        | L        | _        | _        | L            | L                                   | _        |  |   |
|          | 66   | _        | _        |          |          | _            | $\vdash$                            | L        |  |   |
|          | 66<br>67<br>68   |          |          | L        |          |              |                                     | _        |  |   |
|          | 68   |          | <u> </u> | L        | _        |              | L.                                  |          |  |   |
|          | 69   | _        | <u> </u> |          |          | _            | L                                   | _        | _  |   |
|          | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 |          | _        |          | ļ        | <u> </u>     | L                                   |          |  |   |
|          | 71   |          |          | L.,      |          |              |                                     |          |  |   |
|          | 72   |          |          | ᆫ        |          | _            | L                                   |          | $ldsymbol{ld}}}}}}}$ |   |
|          | 73   |          | _        | L        |          |              | L                                   |          |  |   |
|          | 74   |          |          | L        | <u> </u> |              |                                     |          |  |   |
|          | 75   |          | <u> </u> | _        |          | L            |                                     |          |  |   |
|          | 76   |          |          | L        |          |              |                                     | L        | L  |   |
|          | 77   |          |          |          |          |              |                                     |          |  |   |
|          | 78   | L        | _        |          |          | $oxed{oxed}$ |                                     | _        | L  |   |
| L        | 79   |          |          |          | _        | L.           |                                     |          | $ldsymbol{ld}}}}}}$  |   |
|          | 80<br>81   |          |          |          |          |              |                                     |          | <u> </u>   |   |
|          | 81   |          |          | _        |          | _            |                                     | _        |  |   |
|          | 82   |          |          |          |          |              |                                     |          |  |   |
|          | 83   |          |          |          |          |              |                                     | _        | L  |   |
|          | 84   | _        | _        |          |          |              |                                     | L        |  |   |
|          | 83<br>84<br>85   | ┖        |          | <u> </u> | <u> </u> | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | L.   | _ |
|          | 86<br>87   | L        |          | <u> </u> | <u> </u> |              |                                     |          | L.   |   |
|          | 87   |          |          | <u></u>  | <u>L</u> | _            |                                     | 匚        |  |   |
|          | 88   |          | <u> </u> | L        |          |              |                                     |          |  |   |
|          | 89   |          | _        | _        |          |              |                                     | L        | Ŀ  |   |
| L        | 90   |          | L        | L        | <u> </u> |              |                                     | L        |  |   |
|          | 91   |          | L_       | 匚        |          |              |                                     |          |  |   |
|          | 92   |          |          |          |          |              |                                     |          |  |   |
|          | 93   |          | L        |          |          |              |                                     |          |  |   |
|          | 94   |          | L        | Ĺ        |          |              |                                     |          | L  |   |
|          | 95   |          |          |          |          |              |                                     |          |  |   |
|          | 96   |          |          |          |          |              |                                     |          |  |   |
|          | 97   |          |          |          |          |              |                                     |          |  |   |
|          | 98   | П        |          |          |          |              |                                     |          |  |   |
|          | 99   |          | Г        |          |          | $\Gamma$     | Г                                   | Г        | Г  | Г |
|          | 100  |          |          |          |          | 1            | Г                                   |          |  |   |

| Cla  | aim  | Date     |  |  |  |  |  |  |                           |                 |  |  |
|--|--|----------|--|--|--|--|--|--|---------------------------|-----------------|--|--|
|  |  |          |  |  |  |  |  |  |                           |                 |  |  |
| Final  | Original   |          |  |  |  |  |  |  |                           |                 |  |  |
| ίĒ   | Ę  |          |  |  |  |  |  |  |                           |                 |  |  |
|  | 1  |          |  |  |  |  |  |  |                           |                 |  |  |
|  | 101  |          |  |  |  | ٠  |  |  |                           | Щ               |  |  |
|  | 102  |          |  |  |  |  |  |  |                           | Щ               |  |  |
|  | 101<br>102<br>103                                    |          |  | L  |  |  |  | Щ  |                           |                 |  |  |
|  | 104<br>105   |          |  | _  |  |  |  |  |                           | Ш               |  |  |
| L  | 105  |          |  |  | _  |  |  |  | _                         | Щ               |  |  |
|  | 106  |          |  |  |  |  |  |  |                           |                 |  |  |
|  | 107<br>108<br>109                                    |          |  |  | _  |  |  |  |                           |                 |  |  |
|  | 108  |          |  | L  |  | <u> </u>   |  |  |                           | $\dashv$        |  |  |
|  | 109  |          |  | H  | -  |  |  | _  |                           | $\dashv$        |  |  |
| <u> </u>   | 110<br>111   |          | $\vdash$   | $\vdash$   | H  | $\vdash$   | _  |  |                           | $\dashv$        |  |  |
| <u> </u>   | 111  | $\vdash$ | <u> </u>   | $\vdash$   | ┝  | H  |  |  |                           | $\vdash\vdash$  |  |  |
| $\vdash$   | 112  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | H  | $\vdash$   | $\vdash$                  | $\vdash \dashv$ |  |  |
| <del> </del>                                     | 112<br>113<br>114<br>115<br>116                      | $\vdash$ | _  | $\vdash$   | $\vdash$   | $\vdash$   | <del> </del>                                     | H  |                           | Н               |  |  |
| -  | 115  | H        | $\vdash$   | ├  | $\vdash$   |  | -  |  |                           | $\vdash$        |  |  |
|  | 116  | $\vdash$ |  | ⊢  | ┝  |  | $\vdash$   |  |                           | $\vdash$        |  |  |
|  | 117  | Н        | _  | ┢  | ┢  | <u> </u>   | -  |  |                           |                 |  |  |
|  | 118  |          |  | $\vdash$   |  | ⊢  |  | -  |                           | $\dashv$        |  |  |
|  | 118<br>119   |          |  | $\vdash$   | $\vdash$   | ┢  |  |  |                           | -               |  |  |
| -  | 120  |          | $\vdash$   | H  | $\vdash$   |  | _  |  |                           |                 |  |  |
|  | 121  | Н        |  |  | $\vdash$   | H  | Н  |  |                           |                 |  |  |
|  | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 | $\vdash$ | $\vdash$   | $I^-$  | $\vdash$   |  |  |  |                           | $\neg$          |  |  |
|  | 123  | Г        | $\vdash$   | H  |  | Г  |  | $\vdash$   | П                         | П               |  |  |
|  | 124  | Т        |  |  |  |  | Т  |  |                           |                 |  |  |
|  | 125  | Г        |  |  |  |  |  |  |                           |                 |  |  |
|  | 126  |          |  |  |  |  |  |  | Г                         |                 |  |  |
|  | 127  |          |  |  |  |  |  |  |                           |                 |  |  |
|  | 128  |          |  |  |  |  |  |  |                           |                 |  |  |
|  | 129<br>130<br>131                                    |          |  |  | L  |  |  |  | L                         |                 |  |  |
|  | 130  |          |  |  | Ĺ  |  |  |  |                           |                 |  |  |
|  | 131  |          |  |  |  |  | _  | L  |                           |                 |  |  |
|  | 132  |          | L  | _  | L  |  |  |  | L                         |                 |  |  |
|  | 132<br>133<br>134                                    |          | <u> </u>   | _  | L.   | _  | lacksquare                                       | $oxed{oxed}$                                     |                           | Ш               |  |  |
|  | 134  | _        | <u> </u>   |  | <u> </u>   | <u> </u>   | _  | <u> </u>   | $ldsymbol{ldsymbol{eta}}$ | Ш               |  |  |
|  | 135  | <u> </u> | _  | _  | _  | _  | _  | _  | _                         | Ш               |  |  |
|  | 136  | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>   | _  | <u> </u>   | <u> </u>   | <u> </u>                  |                 |  |  |
|  | 137  | _        | _  | ┞  | <u> </u>   | <u> </u>   | <u> </u>   | _  | L                         |                 |  |  |
|  | 138<br>139   | ├        | -  | ├  | _  | ├  | ⊢  | ┝  | <u> </u>                  | Н               |  |  |
| <u> </u>   | 140  | <u> </u> | ├  | ┝  |  | ┝  | ┝  | ┝  | <del> </del>              | Н               |  |  |
|  | 141  | ┝        | $\vdash$   | -  | -  | -  | ┝  | ⊢  | ⊢                         |                 |  |  |
|  | 142  | ⊢        | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | ├─                        | $\vdash$        |  |  |
| <u> </u>   | 143  | $\vdash$ | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$   | H  | H                         | $\vdash$        |  |  |
|  | 144  | $\vdash$ | <del>                                     </del> | 一  | <del>                                     </del> | t —  | Н  | $\vdash$   | Н                         | $\vdash$        |  |  |
| <b> </b>   | 145  | Ι-       | $\vdash$   | 1  | $\vdash$   |  | <del>                                     </del> | <del>                                     </del> | ┢                         | $\vdash$        |  |  |
| <u> </u>   | 146  | Т        | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$   | H  | Н                         | $\vdash$        |  |  |
| $\vdash$   | 147  | $\vdash$ | $\vdash$   | <del>                                     </del> | ┢  | <del>                                     </del> | 一  | $\vdash$   | $\vdash$                  | Н               |  |  |
| <del>                                     </del> | 148  | $\vdash$ | m  | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | $\vdash$   | $\vdash$                  | Н               |  |  |
|  | 149  | Ι_       |  |  | Г  |  |  | <u> </u>   | T                         | М               |  |  |
|  | 150  | T        |  | Γ  | Г  | Г  | Г  | Γ  | 1                         |                 |  |  |
|  |  |          |  |  |  | _  |  |  |                           |                 |  |  |